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DATE: January 17, 2007

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TO:	Examiner Thomas R. Artman United States Patent and Trademark Office	571-273-8300	571-272-2485

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RE: U.S. Patent Application Serial No. 10/037,477  
 Entitled: METHOD AND APPARATUS FOR IRRADIATING A TARGET  
 Date Filed: January 2, 2002  
 Inventor: Yoshihiro Takai, Wolfgang W. Kaissl, Marcel R. Marc, John C. Ford,  
 Shogo Yamada, Masatoshi Mitsuya  
 Attorney Docket No. VM7012072001

## MESSAGE:

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## Enclosed:

- Transmittal (1 pg);
- Supplemental Response After Final (2 pgs).

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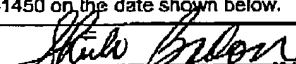
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	10/037,477
		Filing Date	January 2, 2002
		First Named Inventor	Yoshihiro Takai et al.
		Art Unit	2882
		Examiner Name	Thomas R. Artman
Total Number of Pages in This Submission	14	Attorney Docket Number	VM7012072001

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Supplemental Response (2 pgs). <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet to Examiner
<b>Remarks</b>  		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm	Bingham McCutchen LLP		
Signature			
Printed Name	Gerald Chan		
Date	January 17, 2007	Reg. No.	51,541

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Sheila Badon	Date	January 17, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Dated: January 12, 2007Name of Person Certifying: Sheila BadonPrinted Name: Sheila Badon

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Yoshihiro Takai, et al.

Serial No.: 10/037,477

Filed: January 2, 2002

For: METHOD AND APPARATUS FOR  
IRRADIATING A TARGET

Group Art Unit: 2882

Examiner: Artman, Thomas R.

SUPPLEMENTAL RESPONSE AFTER FINAL

## MAIL STOP AF

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed on October 17, 2006, Applicant had submitted a response on December 15, 2006. Subsequently, Applicant received an Interview Summary mailed on December 21, 2006. According to the Interview Summary, the description of the demonstration that was conducted at the interview is "computer simulation of IMRT with a MLC, tracking a target with the MLC, and doing both at the same time, which is what Applicants intend to claim." Applicant agrees that the demonstration conducted was a "computer simulation." However, Applicant wishes to clarify that the claims do not recite "computer simulation," and that the claims

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are directed to IMRT using a MLC. As such, Applicant submits that the claims are allowable for what they recite.

If the Examiner has any questions or comments regarding this amendment, please contact the undersigned at the number listed below.

The Commissioner is authorized to charge any fees due in connection with the filing of this document to Bingham McCutchen's Deposit Account No. 50-2518, referencing billing number 7012072001. The Commissioner is authorized to credit any overpayment or to charge any underpayment to Bingham McCutchen's Deposit Account No. 50-2518, referencing billing number 7012072001.

Respectfully submitted,

Dated: January 17, 2007

By: 

Gerald Chan

Reg. No. 51,541

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